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* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

NEWS  1             Web Page URLs for STN Seminar Schedule - N. America
NEWS  2             "Ask CAS" for self-help around the clock
NEWS  3    SEP 09   CA/CAplus records now contain indexing from 1907 to the
                    present
NEWS  4    AUG 05   New pricing for EUROPATFULL and PCTFULL effective
                    August 1, 2003
NEWS  5    AUG 13   Field Availability (/FA) field enhanced in BEILSTEIN
NEWS  6    AUG 18   Data available for download as a PDF in RDISCLOSURE
NEWS  7    AUG 18   Simultaneous left and right truncation added to PASCAL
NEWS  8    AUG 18   FROSTI and KOSMET enhanced with Simultaneous Left and Righ
                    Truncation
NEWS  9    AUG 18   Simultaneous left and right truncation added to ANABSTR
NEWS 10    SEP 22   DIPPR file reloaded
NEWS 11    SEP 25   INPADOC: Legal Status data to be reloaded
NEWS 12    SEP 29   DISSABS now available on STN
NEWS 13    OCT 10   PCTFULL: Two new display fields added
NEWS 14    OCT 21   BIOSIS file reloaded and enhanced
NEWS 15    OCT 28   BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 16    NOV 24   MSDS-CCOHS file reloaded

NEWS EXPRESS    NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT
                MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
                AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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NEWS INTER      General Internet Information
NEWS LOGIN      Welcome Banner and News Items
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FILE 'HOME' ENTERED AT 12:53:33 ON 25 NOV 2003

=> file medline biosis caplus
COST IN U.S. DOLLARS                          SINCE FILE       TOTAL
                                               ENTRY          SESSION
FULL ESTIMATED COST                            0.21            0.21

FILE 'MEDLINE' ENTERED AT 12:53:40 ON 25 NOV 2003

FILE 'BIOSIS' ENTERED AT 12:53:40 ON 25 NOV 2003
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=> s array? (9a) unpredict?
L1           24 ARRAY? (9A) UNPREDICT?
```

```
=> dup rem l1
PROCESSING COMPLETED FOR L1
L2              14 DUP REM L1 (10 DUPLICATES REMOVED)

=> d 1-14 ti

L2    ANSWER 1 OF 14   CAPLUS   COPYRIGHT 2003 ACS on STN
TI    Method of processing measurement data having errors due to unpredictable
      non-uniformity in illumination of detectors

L2    ANSWER 2 OF 14   BIOSIS   COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI    Investigating the physiological bases of predictable and unpredictable
      genotype by environment interactions using three-mode pattern analysis.

L2    ANSWER 3 OF 14      MEDLINE on STN
TI    [Analysis of intracranial pressure signals using artificial neural
      networks].
      Analiza sygnalu cisnienia wewnatrzczaszkowego za pomoca sztucznych sieci
      neuronowych.

L2    ANSWER 4 OF 14      MEDLINE on STN                    DUPLICATE 1
TI    Intracranial pressure processing with artificial neural networks:
      prediction of ICP trends.

L2    ANSWER 5 OF 14   BIOSIS   COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI    Foraging in a hierarchical patch system.

L2    ANSWER 6 OF 14   BIOSIS   COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI    Performance of native grape phylloxera on host plants within and among
      terrestrial islands in Arizona, USA.

L2    ANSWER 7 OF 14      MEDLINE on STN                    DUPLICATE 2
TI    Structural evidence of T cell xeno-reactivity in the absence of molecular
      mimicry.

L2    ANSWER 8 OF 14   CAPLUS   COPYRIGHT 2003 ACS on STN
TI    Probe microloading effect of in-situ etch in EPROM stack gate process

L2    ANSWER 9 OF 14      MEDLINE on STN                    DUPLICATE 3
TI    Central nicotinic receptor agonists ABT-418, ABT-089, and (-)-nicotine
      reduce distractibility in adult monkeys.

L2    ANSWER 10 OF 14      MEDLINE on STN                   DUPLICATE 4
TI    Reinforcer frequency and restricted stimulus control.

L2    ANSWER 11 OF 14      MEDLINE on STN                   DUPLICATE 5
TI    Comparing mutants, selective breeding, and transgenics in the dissection
      of aging processes of Caenorhabditis elegans.

L2    ANSWER 12 OF 14      MEDLINE on STN                   DUPLICATE 6
TI    Subjugation of dominant immunogenic determinants within a chimeric
      peptide.

L2    ANSWER 13 OF 14   CAPLUS   COPYRIGHT 2003 ACS on STN
TI    Implementation of a system to life test 2-dimensional laser arrays

L2    ANSWER 14 OF 14      MEDLINE on STN
TI    Toward the library of the future.

=> s 12 and (DNA or nucleic)
L3              0 L2 AND (DNA OR NUCLEIC)
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=> d his

       (FILE 'HOME' ENTERED AT 12:53:33 ON 25 NOV 2003)

       FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:53:40 ON 25 NOV 2003
L1            24 S ARRAY? (9A) UNPREDICT?
L2            14 DUP REM L1 (10 DUPLICATES REMOVED)
L3             0 S L2 AND (DNA OR NUCLEIC)

=> s (array or chip or biochip) and (DNA or nucleic or oligonucleotide#)
L4        26503 (ARRAY OR CHIP OR BIOCHIP) AND (DNA OR NUCLEIC OR OLIGONUCLEOTID
             E#)

=> s 14 and unpredict?
L5            24 L4 AND UNPREDICT?

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6            14 DUP REM L5 (10 DUPLICATES REMOVED)

=> d 1-14 ti

L6   ANSWER 1 OF 14     MEDLINE on STN                        DUPLICATE 1
TI   Ribosomal ITS sequences and plant phylogenetic inference.

L6   ANSWER 2 OF 14     MEDLINE on STN
TI   Identification of genes involved in resistance to interferon-alpha in
     cutaneous T-cell lymphoma.

L6   ANSWER 3 OF 14     MEDLINE on STN
TI   Functional microarray analysis of mammary organogenesis reveals a
     developmental role in adaptive thermogenesis.

L6   ANSWER 4 OF 14  CAPLUS  COPYRIGHT 2003 ACS on STN
TI   Preservation of gene expression ratios among multiple complex cDNAs after
     PCR amplification: application to differential gene expression studies

L6   ANSWER 5 OF 14     MEDLINE on STN                        DUPLICATE 2
TI   Stability of **DNA** repeats in Escherichia coli dam mutant strains
     indicates a Dam methylation-dependent **DNA** deletion process.

L6   ANSWER 6 OF 14     MEDLINE on STN                        DUPLICATE 3
TI   Preservation of gene expression ratios among multiple complex cDNAs after
     PCR amplification: application to differential gene expression studies.

L6   ANSWER 7 OF 14     MEDLINE on STN                        DUPLICATE 4
TI   Multiple cloning sites from mammalian expression vectors interfere with
     gene promoter studies in vitro.

L6   ANSWER 8 OF 14  CAPLUS  COPYRIGHT 2003 ACS on STN
TI   Disease modifying treatments for multiple sclerosis: What is on the
     horizon?

L6   ANSWER 9 OF 14     MEDLINE on STN
TI   Conspiracy of silence among repeated transgenes.

L6   ANSWER 10 OF 14    MEDLINE on STN                        DUPLICATE 5
TI   Tandem genes and clustered genes.

L6   ANSWER 11 OF 14  CAPLUS  COPYRIGHT 2003 ACS on STN
TI   Complications of RNA heterogeneity for the engineering of virus vaccines
     and antiviral agents
```

L6   ANSWER 12 OF 14   MEDLINE on STN   DUPLICATE 6
TI   Long- and short-lived murine hematopoietic stem cell clones individually
       identified with retroviral integration markers.

L6   ANSWER 13 OF 14   MEDLINE on STN
TI   Cytokines of the lung.

L6   ANSWER 14 OF 14   MEDLINE on STN   DUPLICATE 7
TI   Characterization of the reactions of platinum antitumor agents with
       biologic and nonbiologic sulfur-containing nucleophiles.

=> d 3 bib ab

L6   ANSWER 3 OF 14   MEDLINE on STN
AN   2002299255   MEDLINE
DN   22035874   PubMed ID: 12040007
TI   Functional microarray analysis of mammary organogenesis reveals a
       developmental role in adaptive thermogenesis.
AU   Master Stephen R; Hartman Jennifer L; D'Cruz Celina M; Moody Susan E;
       Keiper Elizabeth A; Ha Seung I; Cox James D; Belka George K; Chodosh Lewis
       A
CS   Department of Cancer Biology and Abramson Family Cancer Research
       Institute, University of Pennsylvania School of Medicine, Philadelphia,
       Pennsylvania 19104-6160, USA.
NC   CA-92910 (NCI)
       PO1-CA-77596 (NCI)
SO   MOLECULAR ENDOCRINOLOGY, (2002 Jun) 16 (6) 1185-203.
       Journal code: 8801431. ISSN: 0888-8809.
CY   United States
DT   Journal; Article; (JOURNAL ARTICLE)
LA   English
FS   Priority Journals
EM   200301
ED   Entered STN: 20020602
       Last Updated on STN: 20030111
       Entered Medline: 20030110
AB   The use of **DNA** microarrays to study vertebrate organogenesis
       presents unique analytical challenges compared with expression profiling
       of homogeneous cell populations. We have used a general approach that
       permits the automated, unbiased identification of biologically relevant
       patterns of gene expression to study murine mammary gland development.
       Our studies confirm the utility of this approach by demonstrating the
       ready identification of cellular processes and pathways of known
       functional importance in mammary development. Additionally, this approach
       permitted the identification of genetic pathways with **unpredicted**
       patterns of developmental regulation, including those involved in
       angiogenesis, extracellular matrix synthesis, and the beta-oxidation of
       fatty acids. Surprisingly, our findings demonstrate that the coordinate
       regulation of genes involved in the beta-oxidation of fatty acids reflects
       the presence of an abundant, yet previously unrecognized stromal
       compartment within the mammary gland that is composed of brown adipose
       tissue. Our data demonstrate that the amount of brown adipose tissue
       present in the mammary gland is developmentally regulated; that PPARalpha,
       Ucp1, and genes involved in fatty acid oxidation are spatially and
       temporally coregulated during development; that the mammary gland plays a
       functional role in adaptive thermogenesis; and that the transcriptional
       control of this adaptive response to cold is itself developmentally
       regulated.

=> FIL STNGUIDE
COST IN U.S. DOLLARS   SINCE FILE   TOTAL

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=> file medline biosis caplus
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=> s microarray and unpredict?
L7            15 MICROARRAY AND UNPREDICT?


=> dup rem 16
PROCESSING COMPLETED FOR L6
L8            14 DUP REM L6 (0 DUPLICATES REMOVED)


=> dup rem 17
PROCESSING COMPLETED FOR L7
L9             8 DUP REM L7 (7 DUPLICATES REMOVED)


=> d 1-8 ti
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L9   ANSWER 1 OF 8   MEDLINE on STN   DUPLICATE 1
TI   Cancer pharmacogenomics: current and future applications.

L9   ANSWER 2 OF 8 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI   **Microarray** transcription profiling of acidic- and basic-pH
      stress tolerance in Shewanella oneidensis MR-1.

L9   ANSWER 3 OF 8   MEDLINE on STN   DUPLICATE 2
TI   Identification of genes involved in resistance to interferon-alpha in
      cutaneous T-cell lymphoma.

L9   ANSWER 4 OF 8   MEDLINE on STN   DUPLICATE 3
TI   Functional **microarray** analysis of mammary organogenesis reveals
      a developmental role in adaptive thermogenesis.

L9   ANSWER 5 OF 8 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 4
TI   Inadequate formalin fixation decreases reliability of p27Kip1
      immunohistochemical staining: Probing optimal fixation time using
      high-density tissue microarrays.

L9   ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN
TI   Genetic progression of renal cell carcinoma

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L9      ANSWER 7 OF 8   BIOSIS   COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI      PAIN INDUCED GENE EXPRESSION DURING EARLY DEVELOPMENT OF THE RAT.

L9      ANSWER 8 OF 8   BIOSIS   COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI      Identification of candidate genes to augment current classification
        schemes in pediatric acute leukemia.


=> d 1, 3 bib ab

L9      ANSWER 1 OF 8      MEDLINE on STN                        DUPLICATE 1
AN      2003105098      MEDLINE
DN      22505004    PubMed ID: 12618310
TI      Cancer pharmacogenomics: current and future applications.
AU      Watters James W; McLeod Howard L
CS      Department of Medicine, Washington University School of Medicine, 660 S
        Euclid Ave-Campus Box 8069, St Louis, MO 63110, USA.
SO      BIOCHIMICA ET BIOPHYSICA ACTA, (2003 Mar 17) 1603 (2) 99-111.  Ref: 88
        Journal code: 0217513. ISSN: 0006-3002.
CY      Netherlands
DT      Journal; Article; (JOURNAL ARTICLE)
        General Review; (REVIEW)
        (REVIEW, TUTORIAL)
LA      English
FS      Priority Journals
EM      200306
ED      Entered STN: 20030306
        Last Updated on STN: 20030611
        Entered Medline: 20030610
AB      Heterogeneity in patient response to chemotherapy is consistently observed
        across patient populations.  Pharmacogenomics is the study of inherited
        differences in interindividual drug disposition and effects, with the goal
        of selecting the optimal drug therapy and dosage for each patient.
        Pharmacogenomics is especially important for oncology, as severe systemic
        toxicity and unpredictable efficacy are hallmarks of cancer
        therapies.  In addition, genetic polymorphisms in drug metabolizing
        enzymes and other molecules are responsible for much of the
        interindividual differences in the efficacy and toxicity of many
        chemotherapy agents.  This review will discuss clinically relevant
        examples of gene polymorphisms that influence the outcome of cancer
        therapy, and whole-genome expression studies using microarray
        technology that have shown tremendous potential for benefiting cancer
        pharmacogenomics.  The power and utility of the mouse as an experimental
        system for pharmacogenomic discovery will also be discussed in the context
        of cancer therapy.
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L9      ANSWER 3 OF 8      MEDLINE on STN                        DUPLICATE 2
AN      2002653685      MEDLINE
DN      22300982    PubMed ID: 12414529
TI      Identification of genes involved in resistance to interferon-alpha in
        cutaneous T-cell lymphoma.
AU      Tracey Lorraine; Villuendas Raquel; Ortiz Pablo; Dopazo Ana; Spiteri
        Inmaculada; Lombardia Luis; Rodriguez-Peralto Jose L; Fernandez-Herrera
        Jesus; Hernandez Almudena; Fraga Javier; Dominguez Orlando; Herrero
        Javier; Alonso Miguel A; Dopazo Joaquin; Piris Miguel A
CS      Centro Nacional de Investigaciones Oncologicas, Madrid, Spain.
SO      AMERICAN JOURNAL OF PATHOLOGY, (2002 Nov) 161 (5) 1825-37.
        Journal code: 0370502. ISSN: 0002-9440.
CY      United States
DT      Journal; Article; (JOURNAL ARTICLE)
LA      English
FS      Abridged Index Medicus Journals; Priority Journals
```

EM   200211
ED   Entered STN: 20021105
      Last Updated on STN: 20021211
      Entered Medline: 20021122

AB   Interferon-alpha therapy has been shown to be active in the treatment of
      mycosis fungoides although the individual response to this therapy is
      unpredictable and dependent on essentially unknown factors. In an
      effort to better understand the molecular mechanisms of interferon-alpha
      resistance we have developed an interferon-alpha resistant variant from a
      sensitive cutaneous T-cell lymphoma cell line. We have performed
      expression analysis to detect genes differentially expressed between both
      variants using a cDNA **microarray** including 6386
      cancer-implicated genes. The experiments showed that resistance to
      interferon-alpha is consistently associated with changes in the expression
      of a set of 39 genes, involved in signal transduction, apoptosis,
      transcription regulation, and cell growth. Additional studies performed
      confirm that STAT1 and STAT3 expression and interferon-alpha induction and
      activation are not altered between both variants. The gene MAL, highly
      overexpressed by resistant cells, was also found to be expressed by
      tumoral cells in a series of cutaneous T-cell lymphoma patients treated
      with interferon-alpha and/or photochemotherapy. MAL expression was
      associated with longer time to complete remission. Time-course
      experiments of the sensitive and resistant cells showed a differential
      expression of a subset of genes involved in interferon-response (1 to 4
      hours), cell growth and apoptosis (24 to 48 hours.), and signal
      transduction.

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COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   5.81   28.70

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LAST RELOADED: Nov 24, 2003 (20031124/UP).

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L1   24 S ARRAY? (9A) UNPREDICT?
L2   14 DUP REM L1 (10 DUPLICATES REMOVED)
L3   0 S L2 AND (DNA OR NUCLEIC)
L4   26503 S (ARRAY OR CHIP OR BIOCHIP) AND (DNA OR NUCLEIC OR OLIGONUCLEO
L5   24 S L4 AND UNPREDICT?
L6   14 DUP REM L5 (10 DUPLICATES REMOVED)

        FILE 'STNGUIDE' ENTERED AT 12:55:24 ON 25 NOV 2003

        FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:56:10 ON 25 NOV 2003
L7   15 S MICROARRAY AND UNPREDICT?
L8   14 DUP REM L6 (0 DUPLICATES REMOVED)
L9   8 DUP REM L7 (7 DUPLICATES REMOVED)

        FILE 'STNGUIDE' ENTERED AT 12:57:06 ON 25 NOV 2003